

# Service Manual



ORDER NO. RRV 1 7 8 9

PD-106

## THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

	Model	Down Downless and	The voltage can be converted by the	
Туре	PD-106	Power Requirement	following method.	
WYXK	0	AC220 - 240V		
WVXK	0	AC220 - 240V		
WPWXJ	0	AC220 - 240V		
RDXJ	0	AC110 - 127V/220 - 240V	With the voltage selector	
RLXJ	0	AC110 - 120V/220 - 240V	With the voltage selector	

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# 1. SAFETY INFORMATION

VAROL

AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

ADVARSEL:

USYNLIG LASERSTRÄLING VED ÅBNING NÅR SIKKERHED SAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

VARNING!

OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.



LASER Kuva 1 Lasersateilyn varoitusmerkki WARNING!

DEVICE INCLUDES LASER DIODE WHICH EMITS INVISIBLE INFRARED RADIATION WHICH IS DANGEROUS TO EYES. THERE IS A WARNING SIGN ACCORDING TO PICTURE 1 INSIDE THE DEVICE CLOSE TO THE LASER DIODE.



LASER
Picture 1
Warning sign for laser radiation

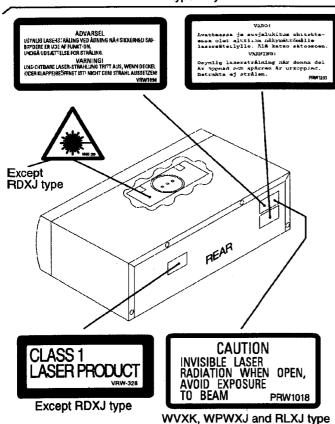
- IMPORTANT -

THIS PIONEER APPARATUS CONTAINS LASER OF CLASS 1.
SERVICING OPERATION OF THE APPARATUS SHOULD BE DONE BY A SPECIALLY INSTRUCTED PERSON.

LASER DIODE CHARACTERISTICS MAXIMUM OUTPUT POWER: 5 mw WAYELENGTH: 780-785 nm

**LABEL CHECK** 

WYXK type only



Additional Laser Caution -

1. Laser Interlock Mechanism

The position of the switch (S651) for detecting loading state is detected by the system microprocessor, and the design prevents laser diode oscillation when the switch (S651) is not on  $\overline{\text{CLMP}}$  terminal side ( $\overline{\text{CLMP}}$  signal is OFF or high level).

Thus, the interlock will no longer function if the switch (S651) is deliberatery set to CLMP terminal side. (low level) The interlock also does not function in the test mode \*. Laser diode oscillation will continue, if pin 33 of CXA1782CQ (IC151) on the MOTHER BOARD ASSY is connected to GND, or pin 28 of IC351 (LDON) is connected to low level (ON), or else the terminals of Q151 are shorted to each other (fault condition).

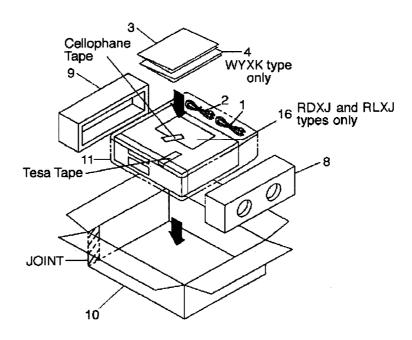
- When the cover is opened, close viewing of the objective lens with the naked eye will cause exposure to a Class 1 laser beam.
- \* : Refer to page 20.

# 2. EXPLODED VIEWS AND PARTS LIST

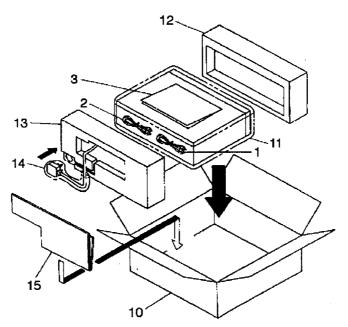
- NOTES: Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
   The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
  - Screws adjacent to ▼ mark on product are used for disassembly.

## 2.1 PACKING

• For WYXK, WPWXJ, RDXJ AND RLXJ types



For WVXK type

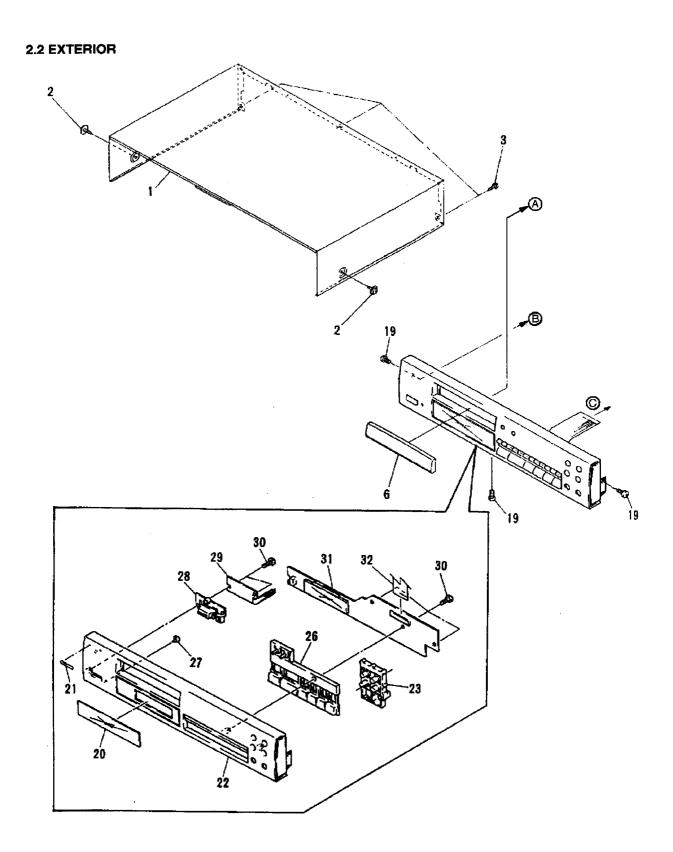


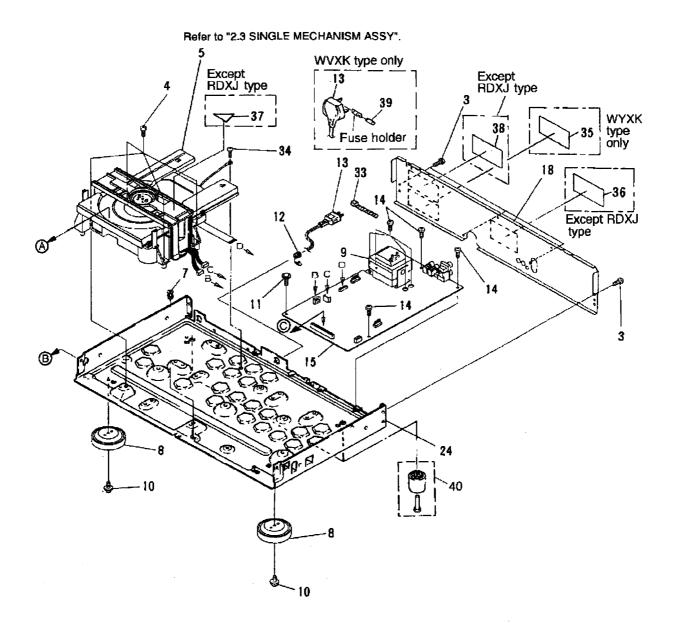
## (1) PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	Control Cable (L=1m)	PDE1247
	2	Output Cable (L=1m)	PDE1248
	3	Operating Instructions	See Contrast table (2)
	4	Operating Instructions	See Contrast table (2)
	5	**********	
	6	*******	
	7	*********	
	8	Styrol Protector R	See Contrast table (2)
	9	Styrol Protector L	See Contrast table (2)
	10	Packing Case	See Contrast table (2)
	11	Seat	Z23 - 007
	12	Styrol Protector F	See Contrast table (2)
	13	Styrol Protector R	See Contrast table (2)
	14	Polyethylene Bag	See Contrast table (2)
NSP	15	Spacer	See Contrast table (2)
	16	Caution 220V Label	See Contrast table (2)

(2) CONTRAST TABLE
WVXK, WPWXJ, RDXJ, RLXJ and WYXK types have the same construction except for the following:

				Part No.				
Vo.	Symbol and Description	WYXK TYPE	WVXK TYPE	WPWXJ TYPE	RDXJ TYPE	RLXJ TYPE	Remark	
3	Operating Instructions (English)	PRB1254	PRB1254	PRB1254	Not used	Not used		
	Operating Instructions	Not used	Not used	Not used	PRE1256	PRE1256		
4	· • ·	PRD1017	Not used	Not used	Not used	Not used		
	/Swedish/Spanish/Portuguese)							
8	Styrol Protector R	PHA1289	Not used	PHA1289	PHA1289	PHA1289		
9	Styrol Protector L	PHA1290	Not used	PHA1290	PHA1290	PHA1290		
10	Packing Case	PHG2249	PHG2250	PHG2251	PHG2251	PHG2251		
12	Styrol Protector F	Not used	PHA1239	Not used	Not used	Not used		
13	Styrol Protector R	Not used	PHA1254	Not used	Not used	Not used		
- 1		Not used	Z21 - 013	Not used	Not used	Not used		
		Not used	PHC1075	Not used	Not used			
16	Caution 220V Label	Not used	Not used	Not used	ARR1003	ARR1003		
89111	3 3 4 3 0 2 3 4 5	Operating Instructions (English) Operating Instructions (English/Spanish/Chinese) Operating Instructions (German/French/Italian/Dutch /Swedish/Spanish/Portuguese)  Styrol Protector R Styrol Protector L Packing Case Styrol Protector F Styrol Protector R Operating Instructions	TYPE	TYPE TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  TYPE  PRB1254  Not used  Not used  Not used  Not used  PRD1017  Not used  Styrol Protector R  Styrol Protector L  PHA1289  PHA1289  Not used  PHA1290  PHA1290  Not used  PHG2249  PHG2250  Styrol Protector F  Styrol Protector R  Not used  PHA1239  Not used  PHA1239  Not used  PHA1239  Not used  PHA1254  POlyethylene Bag  Not used  PHC1075	Symbol and Description  WYXK TYPE  WYXK TYPE  Operating Instructions (English) Operating Instructions (English/Spanish/Chinese) Operating Instructions (English/Spanish/Chinese) Operating Instructions (German/French/Italian/Dutch //swedish/Spanish/Portuguese)  Styrol Protector R Styrol Protector L PHA1289 PHA1289 PHA1290 PHA1290 PHA1290 PHA1290 PHA1290 PHG2249 PHG2250 PHG2251 Not used PHA1239 Not used PHA1254 Not used PHA1254 Not used PHA1255 Not used PHA1254 Not used PHA1255 Not used PHA1255 Not used PHA1256 Not used PHA1257 Not used PHA1257 Not used PHA1258 Not used PHA1259 Not used PHA1259 Not used PHA1259 Not used PHA1259 Not used PHA1250 Not used PHA1251 Not used PHA1254 Not used PHA1255	Symbol and Description  WYXK TYPE TYPE TYPE TYPE  Operating Instructions (English) Operating Instructions (English/Spanish/Chinese) Operating Instructions (German/French/Italian/Dutch /Swedish/Spanish/Portuguese)  Styrol Protector R Styrol Protector L OPAcking Case Styrol Protector F Not used PHA1289 PHG2249 PHG2250 PHG2251 PHG2251 PHG2251 Not used PHA1254 Not used Not used Not used Not used Not used PHA1254 Not used Not used Not used Not used Not used PHO1075 Not used	Symbol and Description  WYXK TYPE  WYXK TYPE  PRB1254  Operating Instructions (English) Operating Instructions (English/Spanish/Chinese) Operating Instructions (English/Spanish/Chinese) Operating Instructions (English/Spanish/Chinese) Operating Instructions (German/French/Italian/Dutch //swedish/Spanish/Portuguese)  Styrol Protector R Styrol Protector L PHA1289 PHA1289 PHA1290 PHA1290 PHA1290 PHA1290 PHA1290 PHA1290 PHA2251 PHG2251 PHG2251 Not used PHA1239 Not used PHA1239 Not used PHA1239 Not used PHA1239 Not used PHA1240 PHA1254 Not used	





# (1) PARTS LIST

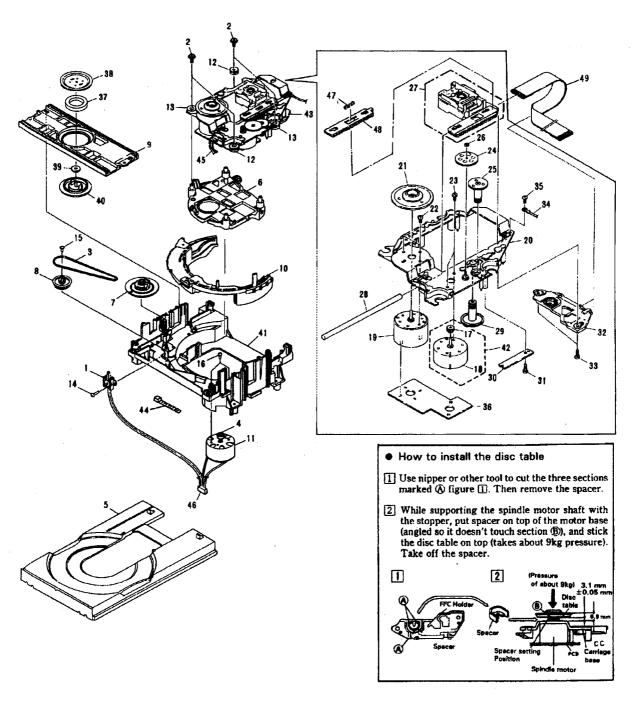
Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	Bonnet	See Contrast table (2)		26	Operate Button	PAC1798
	2	Screw	FBT40P080FZK		27	LED Lens	PNW2019
	3	Screw	BBZ30P080FZK		28	Power Button	PAC1708
	4	Screw	BBZ30P160FMC	NSP	29	SW BOARD ASSY	See Contrast table (2)
NSP	5	SINGLE MECHANISM ASSY	PXA1593		30	Screw	PPZ30P100FMC
	6	Name Plate	PNW2547	NSP	31	DISPLY BOARD ASSY	See Contrast table (2)
NSP	7	Spacer	PNY - 404		32	30P F.F.C/30V	PDD1049
	8	Insulator	PNW1912		33	Binder	ZCA – SKB90BK
$oldsymbol{\Lambda}$	9	Power Transformer	See Contrast table (2)		34	Screw	PDZ30P050FMC
	10	Screw	IBZ30P100FCC		35	Caution Label	See Contrast table (2)
	11	Screw	IBZ30P150FCC	NSP	36	Caution Label (F)	See Contrast table (2)
$\Delta$	12	Strain Relief	CM - 22B		37	Caution Label (G)	See Contrast table (2)
$\Delta$	13	AC Power Cord	See Contrast table (2)		38	Caution Label	See Contrast table (2)
	14	Screw	BBZ30P060FMC	$\Delta$	39	Fuse (T5A)	See Contrast table (2)
$\mathbf{\Phi}$	15	MOTHER BOARD ASSY	See Contrast table (2)		40	Reg Assy	See Contrast table (2)
	16						
	17	*********					
	18	Rear Base	See Contrast table (2)				
	19	Screw	IBZ30P080FCC				
	20	Display Window	See Contrast table (2)				
	21	Name Plate	PAM1608				
	22	Panel	PNW2733				
	23	Mode Button	PAC1796				
NSP	24	Under Base	See Contrast table (2)				
	25						

## (2) CONTRAST TABLE

WVXK, WPWXJ, RDXJ, RLXJ and WYXK types have the same construction except for the following:

					Part No.			
Mark	No.	Symbol and Description	WYXK TYPE	WVXK TYPE	WPWXJ TYPE	RDXJ TYPE	RLXJ TYPE	Remarks
	1	Bonnet	PYY1183	PYY1183	PYY1182	PYY1182	PYY1182	
Δ	ا و	Power Transformer	PTT1236	PTT1236	PTT1236	PTT1238	PTT1238	
$\overline{\Delta}$	13	AC Power Cord	PDG1003	PDG1055	ADG1123	PDG1013	PDG1003	
$\Delta$	15	MOTHER BOARD ASSY	PWM2135	PWM2135	PWM2137	PWM2136	PWM2136	
_	18	Rear Base	PNA2345	PNA2346	PNA2349	PNA2347	PNA2348	
	20	Display Window	PAM1664	PAM1664	PAM1667	PAM1667	PAM1667	
NSP	24	Under Base	PNA2219	PNA2219	PNA2177	PNA2177	PNA2177	
NSP	29	SW BOARD ASSY	PWZ2941	PWZ2941	PWZ2942	PWZ2942	PWZ2942	
NSP	31	DISPLAY BOARD ASSY	PWZ2934	PWZ2934	PWZ2935	PWZ2935	PWZ2935	
	35	Caution Label	PRW1233	Not used	Not used	Not used	Not used	
NSP	36	Caution Label (F)	VRW - 328	VRW - 328	VRW 328	Not used	VRW - 328	
	37	Caution Label (G)	VRW - 329	VRW - 329	VRW - 329	Not used	VRW - 329	
	38	Caution Label	VRW1094	PRW1018	PRW1018	Not used	PRW1018	
Δ	39	Fuse (T5A)	Not used	PEK1003	Not used	Not used	Not used	
	40	Reg Assy	AEC1222	AEC1222	AEC1531	AEC1531	AEC1531	

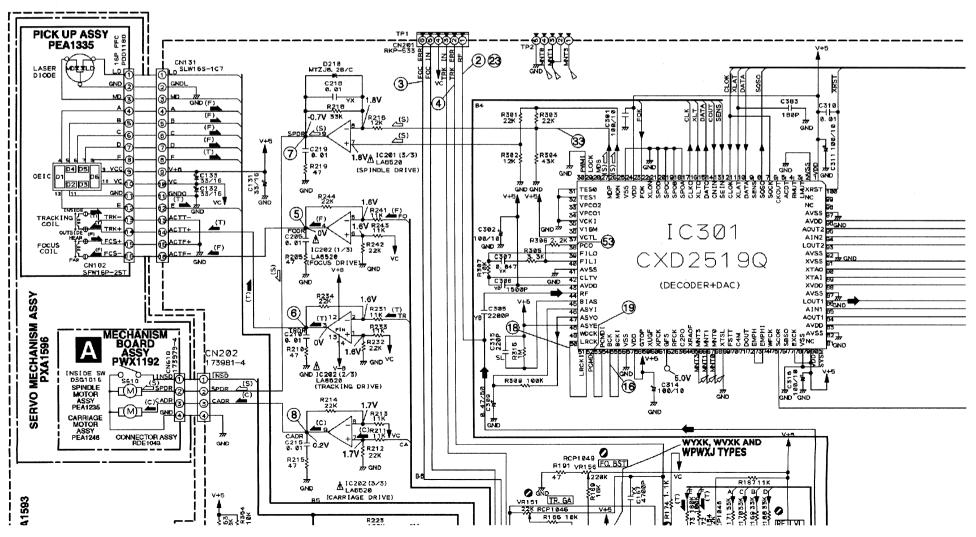
#### 2.3 SINGLE MECHANISM ASSY



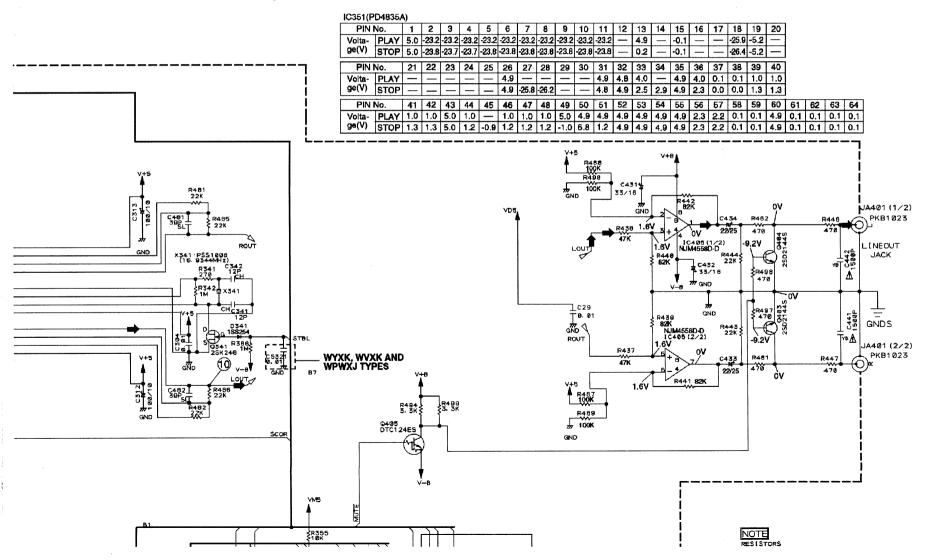
#### **PARTS LIST**

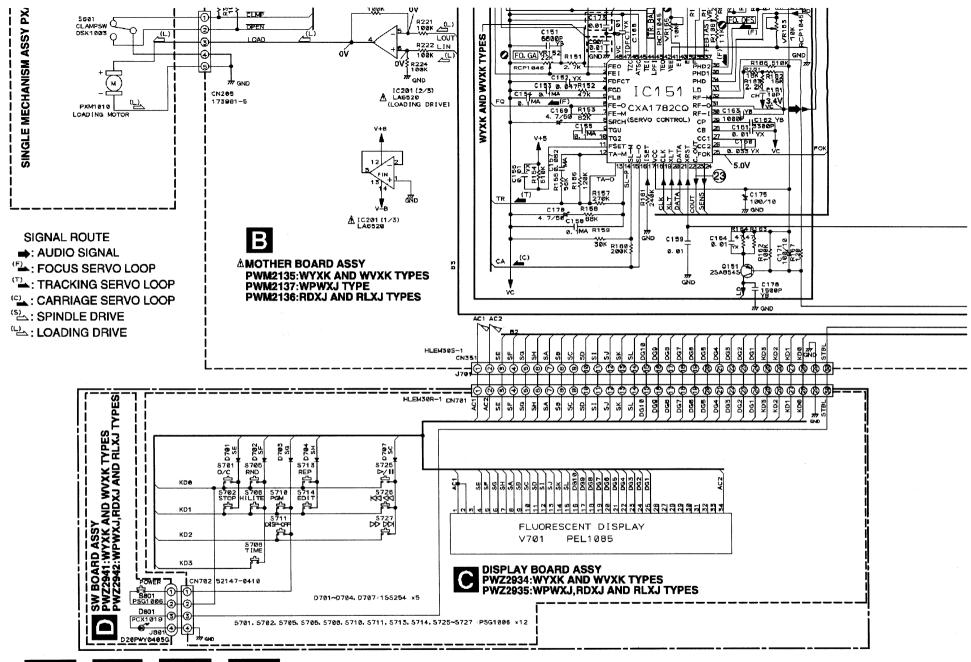
Mark	No.	Description	Parts No.
	1	Lever Switch	DSK1003
	2	Screw	PBA1048
	3	Rubber Belt	PEB   193
	4	Motor Pulley	PNW1634
	5	Tray Black V	PNW2455
	3	Hay Black V	FNW2455
	6	Float Base	PNW2032
	7	Drive Gear 2	PNW2369
	8	Gear Pulley	PNW2034
	9	Clamper Base	PNW2375
	10	Clamp Cam	PNW2364
	11	DC Motor/0.75W	PXM1010
	12	Float Rubber B	REB1287
	13	Float Rubber G	REB1288
	14	Screw	BPZ26P080FMC
	15	Screw	Z39 - 019
	16	Screw	PMZ26P040FMC
	17	Pinion Gear	PNW2055
NSP	18	DC Motor (CARRIAGE)	PXM1027
	19	D.C. Motor Assy (SPINDLE)	PEA1235
	20	Carriage Base	PNW2699
	21	Disc Holder	PNW1608
	22	Screw	JFZ20P030FNI
	23	Screw	JFZ17P025FZK
	24	Gear 3	PNW2054
	25	Gear 2	PNW2053
	26	Washer	WT12D032D025
	27	Pick Up Assy-S	PBA1335
	28	Guide Bar	PLA1094
	29	Gear I	PNW2052
	30	Geär Stopper	PNB1303
	31	Screw	BPZ20P060FMC
	32	FFC Holder	PNW2734
	33	Screw	BPZ26P100FMC
	34	Earth Lead Unit	PDF1104
	35	Screw	BBZ26P060FMC
NSP	36	MECHANISM BOARD ASSY	and the second second
	37	Clamp Magnet	PMF1014
	- 38	Yoke	PNB1216
NSP	39	H Rubber	PEB1249
	40	Clamper S	PNW1609
	41	Loading Base	PNW2376
	42	D.C. Motor Assy (CARRIAGE)	PEA 1246
NSP	43	SERVO MECHANISM ASSY	PXA1596
	44	Binder	<b>Z</b> 09 - 056
	45	Connector Assy (4P)	RDE1043
	46	Connector Assy (5P)	PDE1239
	47	PU Rack Spring	ABH7077
	48	Rack Holder	PNW2056
	49	16P E.E.C/30V	PDD1183

# 3. SCHEMATIC DIAGRAM

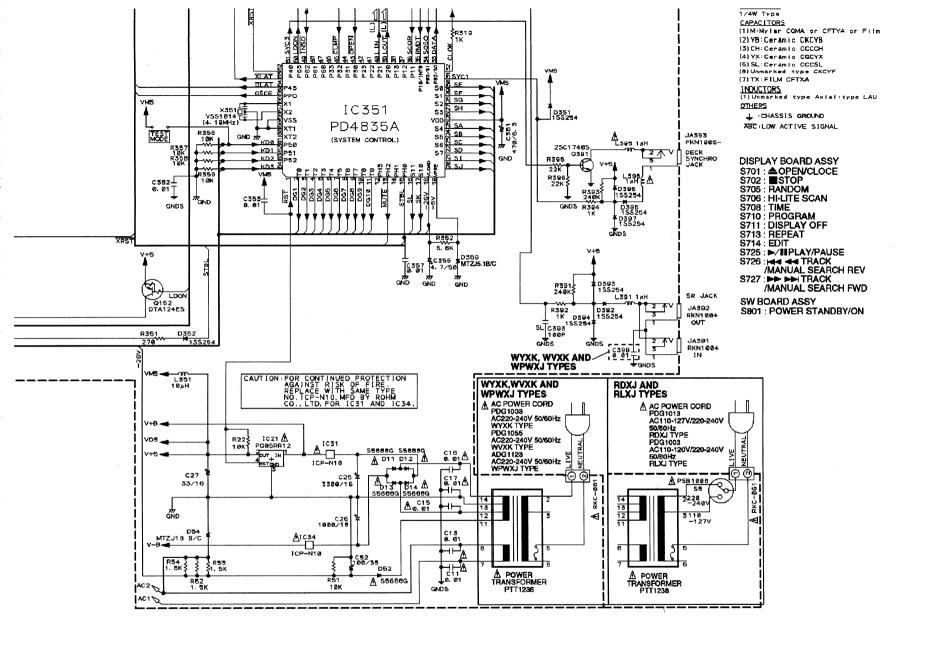


Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST"





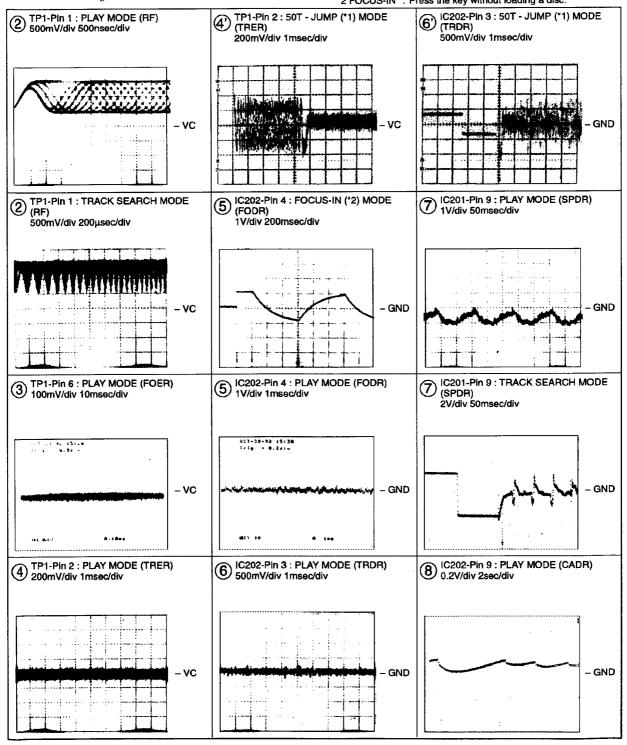


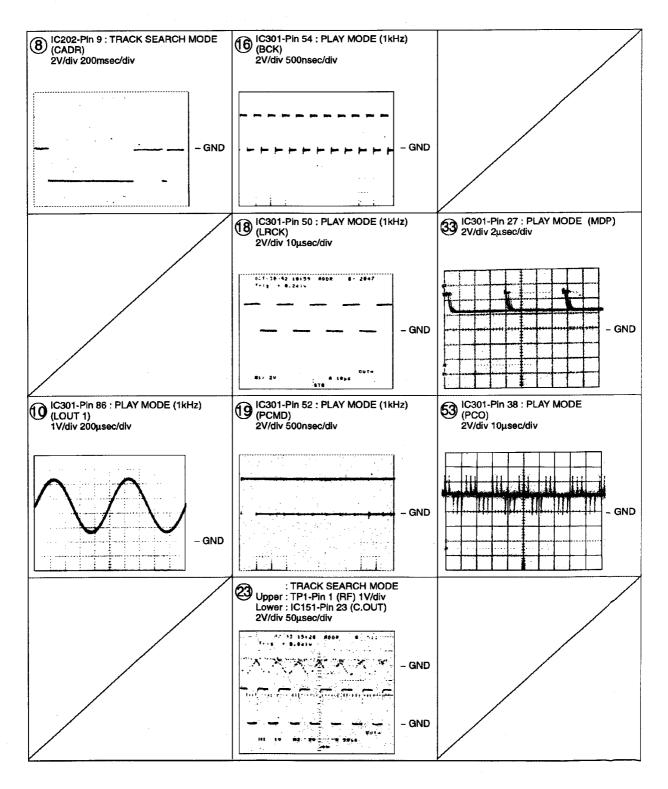


#### **Waveforms**

Note: The encircled numbers denote measuring points in the schematic diagram.

\*1 50T-JUMP : After switching to the pause mode, Press the manual search key.
\*2 FOCUS-IN : Press the key without loading a disc.





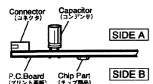
# 4. PCB CONNECTION DIAGRAM

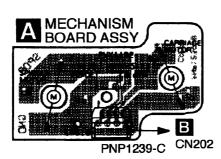
#### NOTE FOR PCB DIAGRAMS

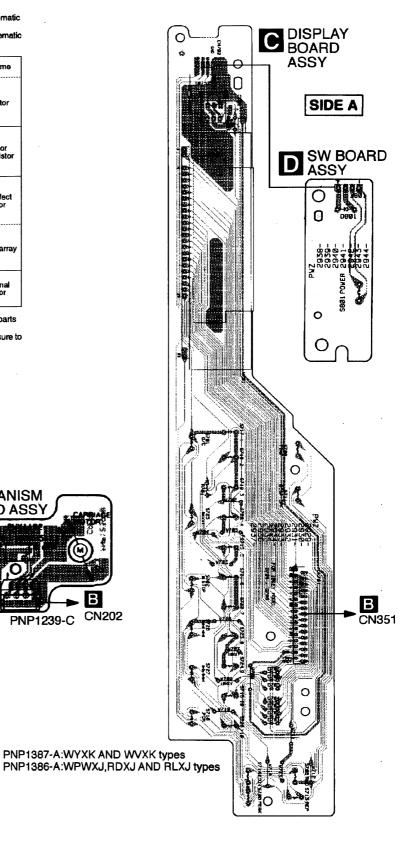
- 1. Part numbers in PCB diagrams match those in the schematic diagrams.
- 2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
(0 0 0) B C E	B C C C E	Transistor
● <b>○</b> ○ ○ ○ B C E	E O	Transistor with resistor
000 DGS	B G S D G S	Field effect transistor
<u>© 0 0/0 0 0</u> 0/		Resistor array
000	— <u>—</u>	3-terminal regulator

- The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respecitive destinations, be sure to check with the schematic diagram.
- 4. Viewpoint of PCB diagrams



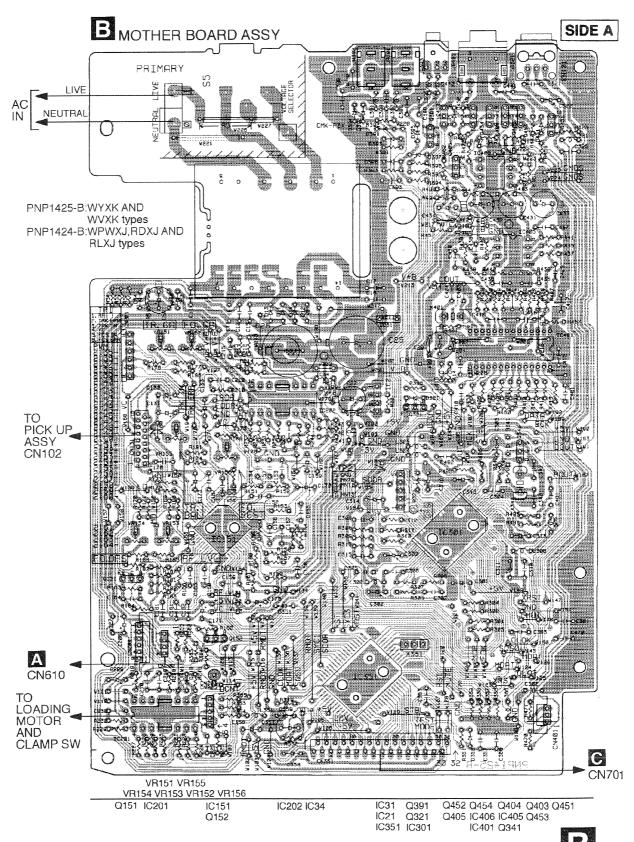












# 5. PCB PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

• The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

• When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

 $5.62k\Omega \rightarrow 562 \times 10^{1} \rightarrow 5621...$  RN1/4PC  $\boxed{5}$   $\boxed{62}$   $\boxed{I}$  F

#### **■ LIST OF WHOLE PCB ASSEMBLIES**

				Part No.			
Mark	Symbol and Description	WYXK TYPE	WVXK TYPE	WPWXJ TYPE	RDXJ TYPE	RLXJ TYPE	Remarks
Δ	MOTHER BOARD ASSY	PWM2135	PWM2135	PWM2137	PWM2136	PWM2136	
∆nsp nsp nsp	SUB BOARD ASSY  DISPLAY BOARD ASSY SW BOARD ASSY	PWX1397 PWZ2934 PWZ2941	PWX1397 PWZ2934 PWZ2941	PWX1398 PWZ2935 PWZ2942	PWX1398 PWZ2935 PWZ2942	PWX1398 PWZ2935 PWZ2942	*1 *2
NSP NSP NSP	SINGLE MECHANISM ASSY  SERVO MECHANISM ASSY  MECHANISM BOARD ASSY	PXA1593 PXA1596 PWX1192	PXA1593 PXA1596 PWX1192	PXA1593 PXA1596 PWX1192	PXA1593 PXA1596 PWX1192	PXA1593 PXA1596 PWX1192	

\*1 : Although PWZ2934 and PWZ2935 are different in part number, they consist of the same components.

\*2 : Although PWZ2941 and PWZ2942 are different in part number, they consist of the same components.

# ■ CONTRAST OF PCB ASSEMBLIES MOTHER BOARD ASSY

PWM2137, PWM2136 and PWM2135 have the same construction except for the following:

<b></b>	0		Domorko		
Mark	Symbol and Description	PWM2135	PWM2137	PWM2136	Remarks
Δ	C901 C173, C399, C5321 S5 Voltage Selector	CKCYF103Z50 CKCYF103Z50 Not used	Not used CKCYF103Z50 Not used	Not used Not used PSB1006	

Note

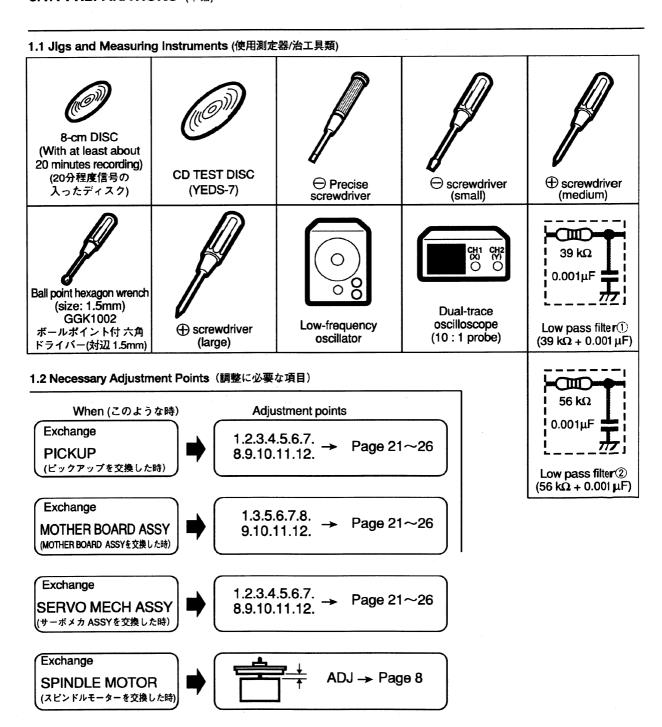
#### **■ PCB PARTS LIST FOR WYXK TYPE**

Mark	No.	Description	Parts No.	<u>Mark</u>	No.	Descr	iption	Parts No.
					C157			CGCYX823K25
151	MO	THER BOARD ASSY			C163			CKCYB102K50
						C306 C	441, C442	CKCYB152K50
SEMI	CONI	DUCTORS			C305	C500, C	<del>11</del> 1, C <del>11</del> 2	CKCYB222K50
<b></b>	IC151		CXA1782CQ					CKCYB332K50
	IC301		CXD2519Q		C162			CKC1 B332K30
Λ	IC31,		ICP - N10					G11 G11 D (0A11 E0
<u> </u>		, IC202	LA6520		C151			CKCYB682K50
213	TC405		NJM4558D – D	$\Delta$		C13, C15		CKCYF103Z50
	10403	•	MJM43360 - D		C159			CKCYF103Z50
			DD 4026 A	$\Delta$	C16, 0			CKCYF103Z50
4	IC351	l .	PD4835A		C173,	C205, C	210, C215, C219	CKCYF103Z50
$\Delta\!$	IC21		PQ05RR12					
	Q151		2SA854S		C29, 0	C304, C3	10, C353, C357	CKCYF103Z50
	Q391		2SC1740S		C382,	C399, C	5321, C901	CKCYF103Z50
	Q403,	, Q404	2SD2144S		C153	– C155.	C158	CQMA104J50
	Q341		2SK246	RESIS	STOR	s		
	Q152		DTA124ES			_	i(10kΩ/0.1W)	RCP1045
	Q405		DTC124ES				2, VR154 (22kΩ/0.1W)	RCP1046
	D341.	, D351, D352, D392 - D397	1SS254		VR15		(220kΩ/0.1W)	RCP1049
	D54		MTZJ18B/C		VKIJ	U	(220 <b>K32</b> 0.1 W)	KC1 1047
	D359		MTZJ5.1B/C				Other Resistors	RD1/4PU□□□J
	D218		MTZJ6.2B/C	-				
Δ		- D14, D52	S5688G	OTHE		_		
213	1711-	1314, 1332	0300BC		CN20		MT 4P CONNECTOR	173981 – 4
COIL	C ANI	D FILTERS			CN20		MT 5P CONNECTOR	173981 – 5
COIL	L351	DIFICIENS	LAU100J		CN35		CONNECTOR	HLEM30S – 1
	L391		LAUIROJ		JA401		JACK	PKB1023
•		1.200	LAUIROJ		JA393	3	JACK	PKN1005
Δ	L395,	, 1.396	LAUIRO				***** * **** (0.00) (14.0044) (17.1)	P001000
CAPA	CITO	)RS			X341		XTAL RES (OSC) (16.9344MHz)	
<b>U</b> A1 A	C181		CCCCH100D50	$\Delta$			TERMINAL	RKC - 061
		. C342	CCCCH120J50			l, JA392		RKN1004
	C393		CCCSL101J50		CN20		CONNECTOR 6P	RKP - 533
			CCCSL181J50		CN13	1	CONNECTOR	SLW16S - 1 C7
	C383							
	C315		CCCSL221J50		X351		CERAMIC RESONATOR (4.19MHz)	VSS1014
	C481.	, C482	CCCSL390J50		פוח	DI AV	<b>BOARD ASSY</b>	
	C171.	, C175, C301, C302	CEAS101M10		<b>D</b> .0		BOAIIB ACCI	
	C311	- C314, C316	CEAS101M10	CEMI	CONI	DUCTO	De	
	C52		CEAS101M35	JEIMI				1SS254
	C26		CEAS102M16		וטוע	– D704,	D/0/	133234
				SWIT	CHES	SAND	RELAYS	
		, C434	CEAS220M25		S701,	S702, S7	05, S706, S708	PSG1006
	C131	- C133, C27, C431, C432	CEAS330M16		S710,	S711, S7	13, 8714	PSG1006
	C25		CEAS332M16			- S727		PSG1006
	C351		CEAS471M6R3					
	C169.	, C170, C356	CEAS4R7M50	OTHE	RS			
					CN70	n	4P JUMPER CONNECTOR	52147 - 0410
	C309		CEASR47M50		CN70		CONNECTOR	HLEM30R - 1
		, C161, C164, C168, C218	CGCYX103K25		V701		FL INDICATOR TUBE	PEL1085
	C160		CGCYX333K25		v /UI		EL INDICATOR TOBE	LET 1000
	C167		CGCYX472K25					
		, C307	CGCYX472K25					
	C132.	, CAVI	CGC 1 A7/3823					

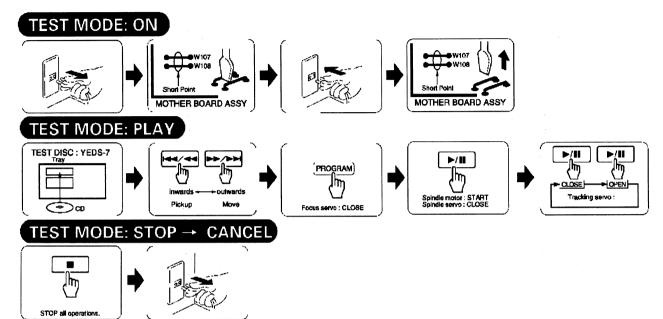
Mark No. Des	scription	Pans No.
D sw Bo	ARD ASSY	
SEMICONDUC D801	TORS	PCX1019
SWITCHES AN S801	D RELAYS	PSG1006
A MECH	ANISM BOARD ASS	SY
SWITCHES AN S610	D RELAYS	D\$G1016
OTHERS CN610	MT 4P CONNECTOR	173979 – 4

# 6. ADJUSTMENT

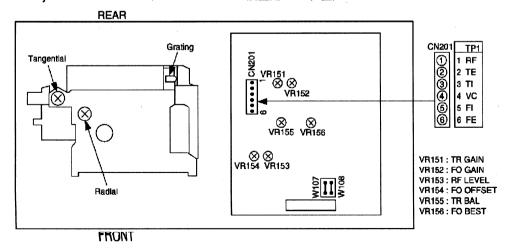
- 6.1 ELECTRIC ADJUSTMENTS (電気系調整)
- 6.1.1 PREPARATIONS (準備)



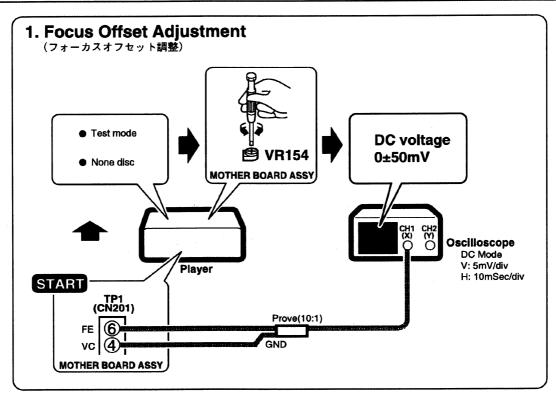
6.1.2 ADJUSTMENT (調整)

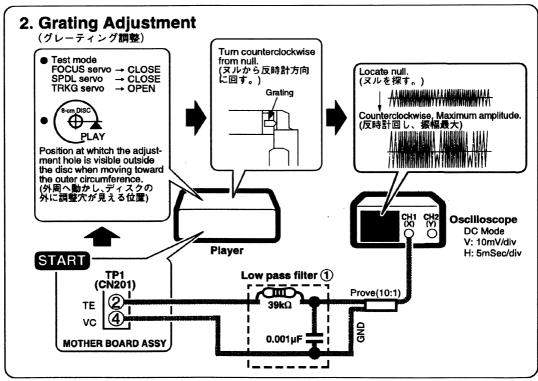


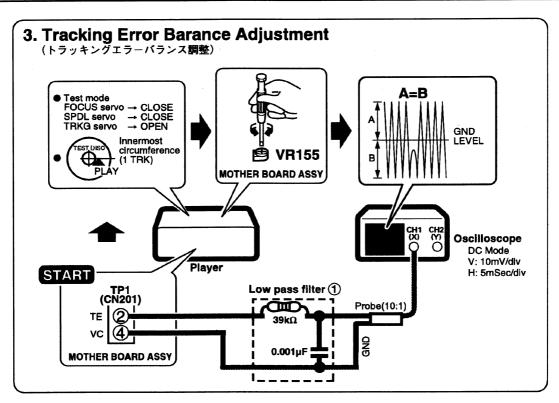
#### 2 Adjustment Locations(テストポイントと調整用VRの位置)

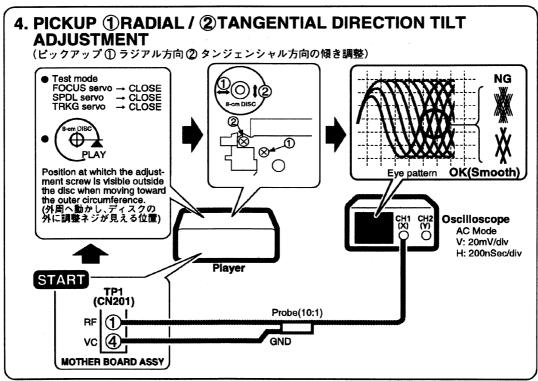


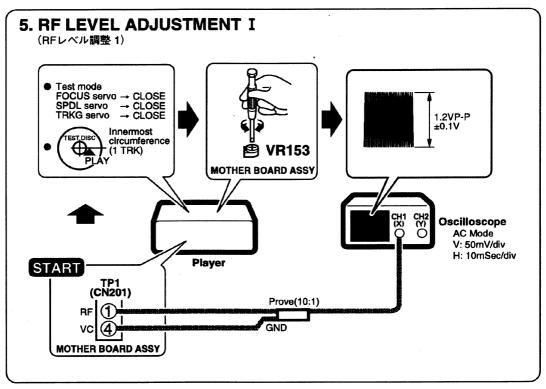
#### 6.2 Check and Adjustment (確認、調整)

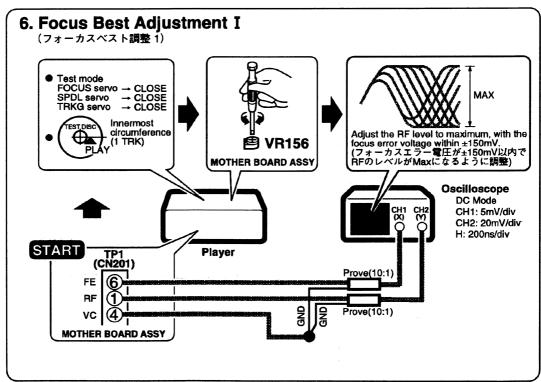


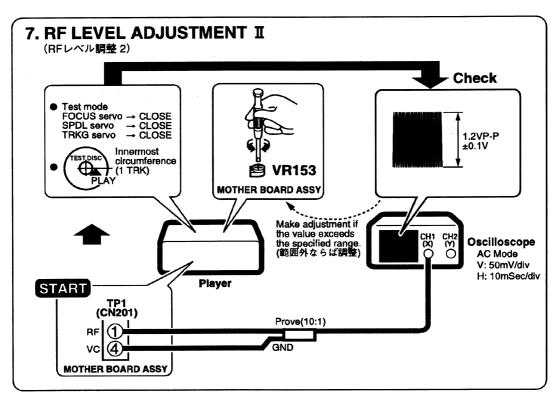


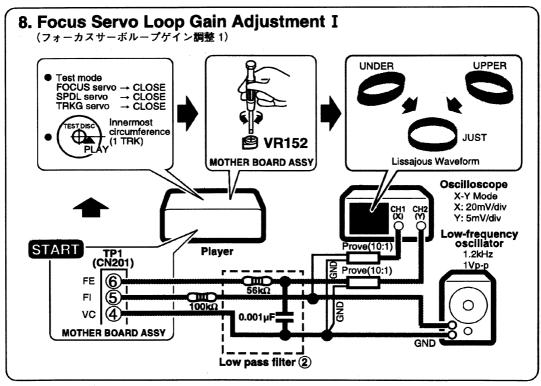


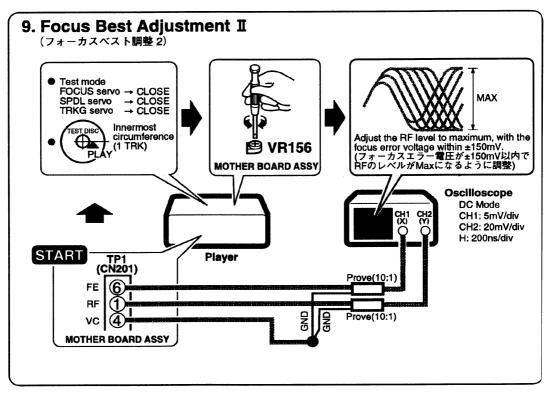


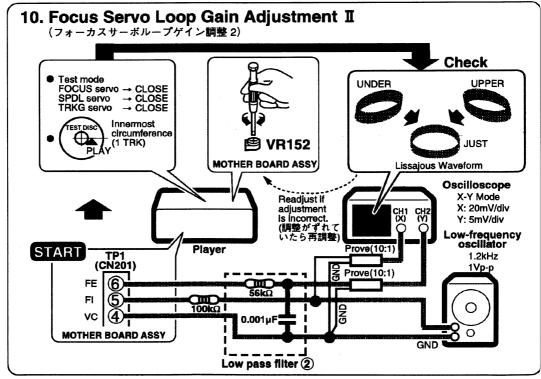


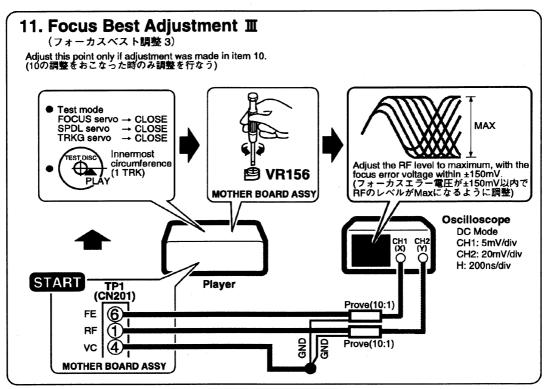


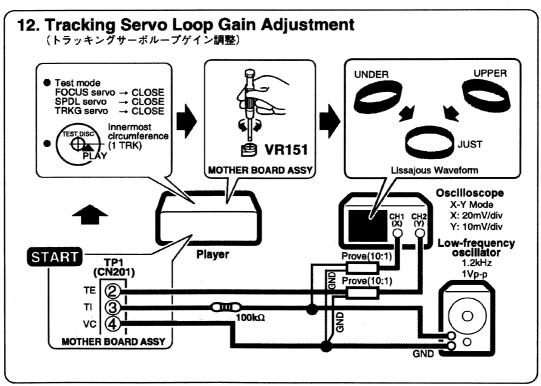






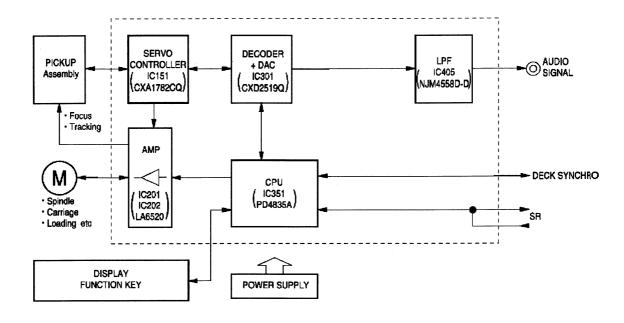




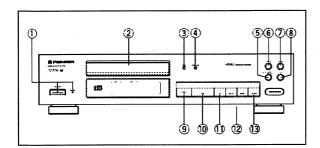


# 7. GENERAL INFORMATION

#### 7.1 BLOCK DIAGRAM



# 8. PANEL FACILITIES AND SPECIFICATIONS



#### **FRONT PANEL**

- (1) STANDBY/ON switch and STANDBY indicator
- ② Disc tray
- ③ TIME button
- **4** DISPLAY OFF button
- (5) COMPU/AUTO EDIT button
- **6** RANDOM button
- 7 REPEAT button
- (8) HI-LITE scan button
- (9) OPEN/CLOSE button (△)
- Play/Pause button (►/II)
- ① Stop button (■)
- 12 Track/Manual search buttons (144 44/>> >>1)
- **13 PROGRAM button**

Type	Compact disc digital audio system
Power requirements	AC 220 - 240 V, 50/60 Hz
Power consumption	12 W
Operating temperature	+5°C - +35°C
Weight	3.1 kg
External dimensions	

#### 2. Audio section

Frequency response	2 Hz - 20 kHz
S/N ratio	98 dB (EIAJ)
Dynamicrange	96 dB or more (EIA)
Harmonic distortion	0.003% or less (EIAJ
Output voltage	2.0 V (EIAJ)
Wow and flutter	Limit of measurement
	(±0.001 % W.PEAK) or less (EIAJ)
Channels	2-channel (stereo

#### 3. Output terminal

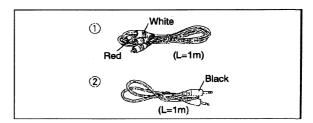
Audio line output jacks Control input/output jacks
CD-DECK SYNCHRO jack

#### 4. Accessories

•	Control cable	1
•	Output cable	1
•	Operating instructions	1
•	Warranty Card	1

#### NOTE:

Specifications and design subject to possible modification without notice, due to improvements.



- Output cable x 1
   Control cable x 1